

#2

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/010,969

DATE: 12/20/2001
 TIME: 14:06:48

Input Set : A:\es.txt
 Output Set: N:\CRF3\12202001\J010969.raw

ENTERED

4 <110> APPLICANT: Zalacain, Magdalena
 5 Biswas, Sanjoy
 6 Warren, Patrick, V.
 7 Ingraham, Karen A.
 8 So, Chi Young
 9 Holmes, David J.
 10 van Horn, Stephanie
 13 <120> TITLE OF INVENTION: yraB
 16 <130> FILE REFERENCE: GM20032
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/010,969
 C--> 18 <141> CURRENT FILING DATE: 2001-11-13
 18 <150> PRIOR APPLICATION NUMBER: 60/253,408
 19 <151> PRIOR FILING DATE: 2000-11-28
 21 <160> NUMBER OF SEQ ID NOS: 2
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 354
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Streptococcus pneumoniae
 30 <400> SEQUENCE: 1
 31 gtgaatatta aatctgccag tgatttggtg gaaatttcag cggatacgat tcggtattat 60
 32 gaacggggttg gtcttggtgcc accgattact cgtactgcta ctgggattcg tgattttcaa 120
 33 gatcaggata tcgaagcgct ggaatttatt aagtgttttc gttcggcgagg tgtctctgta 180
 34 gatagtttag ttgactatat gtcgctctac caaaaggagg atgaaacgag agaggagagg 240
 35 cttgggtatatt tagaagagga aaagcaaaaa ttagaggagc gcttgtctca gatacagaca 300
 36 gctttaaatc gtttaaattct caaaattaaa ctttataagg aaggaaaatt ttaa 354
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 117
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Streptococcus pneumoniae
 43 <400> SEQUENCE: 2
 44 Met Asn Ile Lys Ser Ala Ser Asp Leu Leu Glu Ile Ser Ala Asp Thr
 45 1 5 10 15
 46 Ile Arg Tyr Tyr Glu Arg Val Gly Leu Val Pro Pro Ile Thr Arg Thr
 47 20 25 30
 48 Ala Thr Gly Ile Arg Asp Phe Gln Asp Gln Asp Ile Glu Ala Leu Glu
 49 35 40 45
 50 Phe Ile Lys Cys Phe Arg Ser Ala Gly Val Ser Val Asp Ser Leu Val
 51 50 55 60
 52 Asp Tyr Met Ser Leu Tyr Gln Lys Gly Asp Glu Thr Arg Glu Glu Arg
 53 65 70 75 80
 54 Leu Gly Ile Leu Glu Glu Glu Lys Gln Lys Leu Glu Glu Arg Leu Ser
 55 85 90 95
 56 Gln Ile Gln Thr Ala Leu Asn Arg Leu Asn Leu Lys Ile Lys Leu Tyr
 57 100 105 110
 58 Lys Glu Gly Lys Phe
 59 115

VERIFICATION SUMMARY

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L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date